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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
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| 09/105,150 | 06/26/98 | DONFRANCESCO | A 36087 |
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MM22/0218

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EXAMINER

NGANDJUI, A

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 02/18/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.  
**09/105,150**

Applicant(s)  
**Angelo T. Donfrancesco et al.**

Examiner  
**Antoine Ngandjui**

Group Art Unit  
**2833**



☒ Responsive to communication(s) filed on Jan 21, 2000

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

☒ Claim(s) 1, 4-16, and 18 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1, 4-16, and 18 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2833

## DETAILED ACTION

### *Response to Amendment*

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1,4-16, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Balint in view of Paratte.

In regard to claims 1, 11, and 16, Balint discloses substantially the invention as claimed. Balint does not disclose a deformation being a stake formed in a second end of a shank and extending along a chord of the second end. Paratte teaches in figure 3, a deformation 13 being a stake formed in a second end of a shank and extending along a chord of the second end. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the terminal of Balint by forming a deformation being a stake

Art Unit: 2833

formed in a second end of a shank and extending along a chord of the second end as taught by Paratte to prevent the screw from backing out of the hole.

In regard to claim 4, Balint discloses in figure 2, a shank which is offset from a longitudinal axis.

In regard to claim 5, Balint discloses in figure 2, a portion of an external thread forming the deformation which has a reduced width between adjacent crests.

In regard to claims 6, and 12, Balint discloses in figure 5, a backing plate 4 which has a central aperture 7.

In regard to claims 7, and 13, Balint discloses in figure 2, a backing plate which comprises a depending tab 13, and a terminal base which comprises an opening 2.

In regard to claims 8, and 14, Balint discloses in figure 2, a backing plate which comprises depending first and second tabs on opposite side edges, and the terminal base which comprises first and second openings.

In regard to claims 9, and 15, Balint discloses in figure 2, a terminal base which comprises a contact 41 extending therefrom.

In regard to claim 10, Balint discloses in figure 4, an external thread which has an axial length sustaining greater than an axial length of an internal thread.

In regard to claim 18, Balint discloses in figure 4, a shank which is placed within a central aperture of a backing plate before being threaded into the bore.

Art Unit: 2833

*Conclusion*

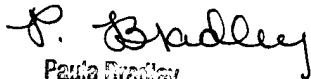
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Antoine Ngandjui whose telephone number is (703) 305-0069. The examiner can normally be reached on Monday-Thursday from 7:30 A.M. to 5:00 P.M.. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley, can be reached on (703) 308-2319. The fax phone number for this Group is (703) 305-3432.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

AN

February 14, 2000

  
Paula Bradley  
Supervisory Patent Examiner  
Technology Center 2800